

# JOURNAL

OF THE

## New York Entomological Society.

Vol. V.

SEPTEMBER, 1897.

No. 3.

### NEW SPECIES OF TENTHREDO.

By ALEX. D. MACGILLIVRAY, Ithaca, N. Y.

The species described below are arranged analytically so that the labor of reading descriptions in determining specimens may be reduced to a minimum. The grouping is the same as that used by Norton in the Transactions of the American Entomological Society and consequently can be compared directly with it.

1. Antennæ wholly or in part pale.....2  
    Antennæ wholly black.....5
2. Antennæ wholly pale.....3  
    Antennæ in part black.....4
3. Abdomen black at base and rufous at apex, with the basal plates rufous.

#### **redimaculus** MacG.

Abdomen entirely black. ♀.—Black, with the following parts whitish-fuscescent: the labrum, the base of the mandibles, the apical half of the front femora beneath, and a square spot on the sides of the basal plates; the antennæ pale luteous beyond the second segment; the clypeus squarely emarginate; the third segment of the antennæ one-fourth longer than the fourth; wings hyaline, very slightly infuscated; the veins, including the costa and the stigma, black. Length, 12.5 mm. Habitat.—Jay, Vermont (A. P. Morse.)

#### **dubitatus**, sp. nov.

4. Abdomen rufous beyond the basal plates.....**basilaris** Prov.  
    Abdomen rufous beyond the third segment.....**bilineatus** MacG.
5. Head more or less yellow above the base of the antennæ.....6  
    Head black above the base of the antennæ.....12
6. Abdomen wholly or in part yellow.....7  
    Abdomen wholly or in part rufous.....9
7. Pectus pale.....8  
    Pectus black. ♀.—Black, with the following parts yellow: the clypeus, the labrum, the mandibles except at apex, a triangular spot between and beneath the antennæ, the lower half of the cheeks, an ovate spot above the base of each antennæ, the inner margin of the eyes (interrupted opposite the bases

of the antennæ, extending beyond the eyes, and dilated behind), a spot on the collar, the tegulæ, a large spot above the anterior coxæ, a large spot on the pleuræ, an oblique line on the metapleuræ, a spot above the posterior coxæ, the scutellum, the legs, including the coxæ, except a black line above and the apices of the posterior tarsi, and a longitudinal band on each side of the basal plates and abdomen (appearing as a lateral margin to the tergum and the venter, its mesocaudal angles on each dorsal segment produced internally, and a narrow line on the caudal margin of the ventral segments); the clypeus emarginate; the third segment of the antennæ one-third longer than the fourth; the wings hyaline, slightly clouded; the veins, including the costa, black; the stigma brownish, paler beneath. Length, 10 mm. Habitat.—Olympia, Washington (Trevor Kincaid) . . . **perplexus**, sp. nov.

8. Posterior tibiæ black above. ♂.—Black, with the following parts yellow: the clypeus, the labrum, the mandibles except at apex, the face beneath the antennæ, an ovate spot above the base of each antenna, the cheeks almost entirely, the inner margin of the eyes (reaching beyond the eyes and dilated behind), a broad line on the collar, the tegulæ, a large spot above the anterior coxæ, the mesopleuræ and the metapleuræ except a narrow black line between them, the scutellum, the postscutellum, the basal membrane, the sides of the basal plates, a line on the posterior margin of the basal plates, the prosternum, the pectus, all the legs except a black line above and the posterior tarsi, the venter, the first and the second segments of the tergum except a black spot at base, and the remainder of the tergum; the clypeus squarely emarginate; the third segment of the antennæ one-fourth longer than the fourth; the wings hyaline; the veins, including the costa, black; the stigma black, brownish at base and apex. Length, 10–11 mm. Habitat.—Olympia, Washington (Trevor Kincaid); Juliaetta and Moscow, Idaho (Professor J. M. Aldrich) . . . . . **linipes**, sp. nov.

Posterior tibiæ black at apex. ♀.—Black, with the following parts yellowish-white: the labrum, the clypeus, the mandibles except at apex, the cheeks, a spot above the base of each antenna, the tegulæ, a large spot on the collar, a spot above the anterior coxæ, a broad stripe on the pleuræ, a spot above the posterior coxæ, the front and middle coxæ except above, the apices of the posterior coxæ, the trochanters, the front legs beyond the coxæ (the tibiæ and the tarsi are greenish), the middle femora (one specimen has a small black spot on the apex above), the middle tibiæ except a black spot at apex above, the basal segment of the middle tarsi beneath, the basal half of the posterior femora, the posterior tibiæ except at apex, the scutellum, a line on the postscutellum, the basal plates, the venter except the apical segment and the sheaths of the ovipositor, and the sides of the segments of the tergum (their inner caudal angles dilated along the caudal margin of the segments, coalescing at middle) except on the fifth segment (the black on the middle of the tergal segments is in the shape of a wide equilateral triangle, in one specimen the fourth segment is entirely pale); the clypeus emarginate; the third segment of the antennæ twice the length of the fourth; the wings hyaline, slightly infuscated towards the apex; the veins and the costa black; the stigma fuscous, paler beneath. Length, 11 mm.

♂.—The markings have more of a greenish tinge, with the following differences in the arrangement of the pale markings: a spot on the middle of the pectus, the five basal ventral abdominal segments (the remainder black), and the apical two-thirds of the third and the fourth segments of the tergum yellowish (the following segments black). Length, 11 mm. Habitat.—Olympia, Washington (Trevor Kincaid); Seattle, Washington (S. Bethel).

**obliquatus**, sp. nov.

9. Pectus pale. .... 10  
Pectus black. .... 11

10. Anterior tibiae with a black line above. ♂ ♀.—Black, with the following parts yellowish-white: the clypeus, the labrum, the mandibles except at apex, the face below the antennae, a line on the inner orbits extending half way to the caudal margin of the head, the cheeks broadly, the collar, the tegulae, the pronotum at side, the V-spot, two spots on the postscutellum, the caudal portion of the metathorax, the prosternum, the pectus, the pleurae, a line at the base of the wings, a spot above the posterior coxae, the sides of the basal plates, the venter, the coxae and trochanters, the anterior femora except a short line at apex above, and the remainder of all the legs except a black line above and the most of the posterior tibiae; the tergum beyond the third segment, including the saw-guides, rufous; the third segment of the antennae twice as long as the fourth; the wings hyaline; the veins black; the stigma pale at base. Length, 10 mm. Habitat.—Franconia and Mt. Washington, N. H. (Mrs. Annie Trumbull Slosson). .... **secundus**, sp. nov.

Anterior tibiae wholly pale. ♀.—Black, with the following parts yellowish-white: the clypeus, the labrum, the mandibles except at apex, the cheeks entirely, the inner margin of the eyes, extending beyond the eyes (the cephalic margin of the black spot on the vertex trilobed), a spot on the collar, the tegulae, a spot above the anterior coxae, the V-spot, a broad angulate mark on the pleurae, a line on the metapleurae, a spot above the posterior coxae, a spot on the pectus, the postscutellum, the basal membrane, the sides of the basal plates, the first abdominal segment, the venter at base, and the front legs beneath; the legs rufo-luteous except the parts named above and a black spot on the apex of the anterior femora above and a black ring on the basal one-third of the posterior tibiae; the five apical abdominal segments, including the venter, rufous; clypeus squarely emarginate, the third segment of the antennae one-third longer than the fourth; the wings hyaline, slightly yellowish; the veins brown; the costa and the stigma luteous, the apex of the stigma brownish. Length, 12 mm. Habitat.—Winchendon, Massachusetts (A. P. Morse) .... **simulatus**, sp. nov.

11. Anterior tibiae black above. .... **\*magnificus** MacG.

Anterior tibiae wholly pale. ♀.—Black, with the following parts yellow: the clypeus, the labrum, the front beneath the antennae, a spot above the base of each antenna, an ovate spot at the inner angle of the eye, the cheeks, the collar, the tegulae, a triangular-shaped mark on the pleurae, the posterior mesal portion of the pectus, the front and middle coxae, the posterior coxae

\* This species was originally described as a *Macrophyta*.

except at base, the trochanters, the front and middle femora except a black line above, the front tibiae except a dash above at base, the middle tibiae except a black line above, the posterior femora at base, the posterior tibiae beneath slightly at base, the front and middle tarsi and the apical segment of the posterior tarsi, a spot above the posterior coxa and the side and venter of the basal plates and the three basal abdominal segments; the abdomen, except the saw-guides, rufous beyond the third segment; the third segment of the antennae one third longer than the fourth; the wings hyaline, very slightly yellowish; the costa, the stigma, and the veins luteous; the clypeus broadly and roundly emarginate. Length, 11 mm. Habitat.—Mt. Washington, N. H. (Mrs. Annie Trumbull Slosson.) ..... **novus**, sp. nov.

12. Pectus pale. .... 13  
Pectus black. .... 21
  13. Posterior femora wholly or in part pale above ..... 14  
Posterior femora black above. .... 17
  14. Posterior femora fulvo-ferruginous or sanguineous. .... 15  
Posterior femora in part black. .... 16
  15. Abdomen wholly ferruginous. .... **frigidus** MacG.  
Abdomen in part black. ♂.—Black, with the following parts whitish: the clypeus, cheeks, a fine line on the latero-caudal margin of the pronotum, the tegulae, a spot on the pleurae, a spot on the pectus, a spot above the posterior coxae, the sides of the basal plates, a line on their posterior margin, and the anterior coxae; the legs, including the coxae, shading from luteous to rufous except a spot on the trochanters, the base of the femora above, a black line on the apex of the posterior tibiae above, and the posterior tarsi; the abdomen, including the venter, rufous, except a transverse spot on the base of the first segment and the apical segments; the clypeus deeply and squarely emarginate; the third segment of the antennae one-third longer than the fourth; the wings hyaline, yellowish along the veins; the veins brownish; the costa and stigma black. Length, 11 mm. Habitat.—Olympia, Washington (Trevor Kincaid). .... **pallipectis**, sp. nov.
  16. Four anterior femora wholly pale. ♀.—Black, with the following parts yellow: the clypeus, the labrum, the mandibles except at tip, the cheeks, the face beneath the antennae, a spot above the base of each antennae, the collar, the tegulae, the ventral margin of the pronotum, an angular mark on the pleurae, a spot above the posterior coxae, the pectus at middle behind, the coxae except the base of the posterior pair, the trochanters and the base of the femora; the following parts rufous: the front and middle legs slightly beyond the middle of the femora, the middle of the posterior femora, the basal three-fourths of the posterior tibiae, and the abdomen beyond the basal plates except the saw-guides; the posterior femora and tibiae black at apex; the wings luteous; the veins brown; the costa and stigma luteous except the apex of the stigma. Length, 11.5 mm. Habitat.—Mt. Washington, N. H. (Mrs. Annie Trumbull Slosson). .... **pallicolus**, sp. nov.
- Four anterior femora with a black line above. ♂.—Yellow, with the following parts black: the antennae, the head except an ovate spot above the base of each antennae, the basal two thirds of the cheeks, the clypeus, the labrum, the

base of the mandibles, a spot on the pronotum, deeply angulate beneath, the mesothorax and the metathorax except the scutellum, a spot on the pleuræ, the pectus, a spot above the posterior coxæ, the basal one-half of the basal plates, a line on the base of the first abdominal segment, and a spot on the apex of the femora; with the following parts rufous: the apical segments of the abdomen, the apex of the posterior tibiæ and the posterior tarsi; the clypeus squarely emarginate; the third segment of the antennæ twice the length of the fourth; the wings yellowish hyaline; the veins blackish; the costa and the base of the stigma luteous; the apex of the stigma brownish. Length, 11 mm. Habitat.—Olympia, Washington (Trevor Kincaid.)

**magnatus**, sp. nov.

17. Posterior tibiæ black. ♂.—Black, with the following parts yellowish white: the clypeus, the labrum, the mandibles except at apex, the cheeks, an interrupted line on the pleuræ, a line on the collar, a spot on the tegulæ, a spot above the posterior coxæ, the sides of the basal plates, a spot on the pectus, the coxæ, the trochanters, the femora except a black line above, the front and middle tibiæ beneath, the venter, and a narrow margin on the apex of the second and third abdominal segments; the clypeus narrowly and squarely emarginate; the third segment of the antennæ one-third longer than the fourth; the wings hyaline, the apical third smoky; the veins, including the costa and the stigma, black. Length, 13 mm. Habitat.—Olympia, Washington (Trevor Kincaid.).....**nigritibiales**, sp. nov.
- Posterior tibiæ in part pale above.....18
18. Four anterior tibiæ entirely pale.....19
- Four anterior tibiæ with a black line above. ♂.—Black, with the following parts yellowish-white: the clypeus, the labrum, the mandibles except at apex, the cheeks for two-thirds the length of the eye, the palpi, the tegulæ, a broad mark on the collar, an oblique spot on the pleuræ, a spot on the pectus, a spot above the posterior coxæ, the sides of the basal plates, the coxæ and the trochanters except a black line above, the front and middle femora, the tibiæ and the tarsi except a black line above, and the posterior femora (becoming rufous towards the apex) except a black line above; the following parts rufous: the posterior femora and tibiæ and the abdomen beyond the basal plates; the clypeus squarely emarginate; the third segment of the antennæ twice the length of the fourth; the wings hyaline; the veins black; the costa and the stigma luteous, darker at their juncture. Length, 10.5 mm. Habitat.—Olympia, Washington (Trevor Kincaid). This species has been sent to some correspondents under the name *rubeloides*.....**messica**, sp. nov.
19. Collar pale.....20
- Collar black. ♂.—Black, with the following parts yellow: the clypeus, the labrum, the mandibles except at tip, the cheeks, the tegulæ, a spot on the posterior part of the mesopleuræ, a spot above the posterior coxæ, a vertical line beneath the posterior wings, the sides of the basal plates, the basal membrane, and the coxæ, trochanters, and front tibiæ except a black line above; the following parts rufous: the abdomen, including the venter beyond the basal plates, the middle and posterior femora except a black line above, the



tibiæ and the tarsi; the head and thorax densely and finely punctulate; the wings luteous; the veins, including the costa and stigma, black; the third segment of the antennæ twice as long as the fourth; the clypeus squarely emarginate. Length, 12 mm. Habitat.—Seattle, Washington (S. Bethel).

**stigmatus**, sp. nov.

20. Pleuræ and pectus marked with rufous. .... **ventricus** MacG.  
 Pleuræ and pectus marked with yellow. ♂.—Black, with the following parts yellow: the clypeus, the labrum, the mandibles except at apex, the cheeks, the tegulæ, a spot on the collar, a spot above the anterior coxæ, the prosternum, the pectus, an angulate mark on each pleura, the coxæ and trochanters beneath, the front and middle femora beneath, the front tibiæ beneath, the suture between the mesothorax and the metathorax, a spot above the posterior coxæ, a spot on each side of the basal plates, and a fine line on the caudal margin of the basal plates; the following parts rufous: the posterior femora, the middle and posterior tibiæ, the front and middle tarsi (the posterior tarsi are black), and the abdomen beyond the middle of the first segment; the clypeus roundly emarginate; the third segment of the antennæ one-fourth longer than the fourth; the wings hyaline; the veins brown; the costa and the stigma luteous. Length, 12 mm. Habitat.—Plattsburg, New York (H. G. Dyar)..... **hyalinus**, sp. nov.
21. Four anterior femora and tibiæ black above. ♀.—Black, with the following parts yellow: the clypeus, the labrum, the mandibles except at apex, the cheeks, two spots above the base of the antennæ, the tegulæ, the collar, a line on the pleuræ, the ventral part of the pronotum, a vertical line beneath the posterior wings, a spot above the posterior coxæ, a spot along the lateral margin of the coxæ at apex, the legs beyond the coxæ except above, a longitudinal band along each side of the abdomen, and the caudal margin of the ventral segments; the wings slightly infuscated; the veins and the stigma black, the stigma some paler at base; the third segment of the antennæ twice the length of the fourth; the clypeus squarely emarginate. Length, 9 mm. Habitat.—Colorado (Carl F. Baker)..... **lateralbus**, sp. nov.
- Four anterior femora and tibiæ rufous. ♀.—Black, with the following parts yellowish: the clypeus, the labrum, the mandibles except at apex, the collar, the tegulæ, a line on the pleuræ, a spot above the posterior coxæ, the sides of the basal plates, the coxæ and trochanters except a black line above, and the front femora, tibiæ, and tarsi beneath; the following parts rufous: the front femora above except a black spot at apex, the front tibiæ and tarsi above, the middle and the posterior legs beyond the trochanters except a black spot at the base of the femora above, a spot on the apex of the second and third abdominal segments, and the following segments, including the venter; the clypeus deeply emarginate; the third segment of the antennæ one-third longer than the fourth; the wings hyaline, the veins black; the costa luteous; the stigma brownish. Length, 10 mm. Habitat.—Olympia, Washington, (Trevor Kincaid)..... **capitatus**, sp. nov.